DIRECTIONS IN INFINITE GRAPH THEORY AND COMBINATORICS

Guest Editor: R. Diestel

CONTENTS

Preface 1

Introduction 3

R. Aharoni
Infinite matching theory 5

J.-M. Brochet and M. Pouzet
Gallai–Milgram properties for infinite graphs 23

P.J. Cameron
The age of a relational structure 49

R. Diestel
Decomposing infinite graphs 69

R. Halin
Bounded graphs 91

W. Imrich and N. Seifter
A survey on graphs with polynomial growth 101

H.A. Jung
Some results on ends and automorphisms of graphs 119

I. Kříž and R. Thomas
Analyzing Nash-Williams' partition theorem by means of ordinal types 135

P. Erdős and J.A. Larson
Matchings from a set below to a set above 169

E.C. Milner and K. Prikry
A partition relation for triples using a model of Todorčević 183

B. Mohar
Some relations between analytic and geometric properties of infinite graphs 193

C.St.J.A. Nash-Williams
Reconstruction of infinite graphs 221

F. Niedermeyer
f-Optimal factors of infinite graphs 231

P. Komjáth and J. Pach
Universal elements and the complexity of certain classes of infinite graphs 255

N. Polat and G. Sabidussi
Asymmetrising sets in trees 271

N. Polat
Asymmetrization of infinite trees 291

N. Robertson, P. Seymour and R. Thomas
Excluding infinite minors 303

P. Seymour and R. Thomas
An end-faithful spanning tree counterexample 321

J. Širáň
End-faithful forests and spanning trees in infinite graphs 331

H.J. Prömel, W. Thumser and B. Voigt
Fast growing functions based on Ramsey theorems 341

M.E. Watkins
Edge-transitive strips 359

W. Woess
Topological groups and infinite graphs 373

Author index to volume 95 385